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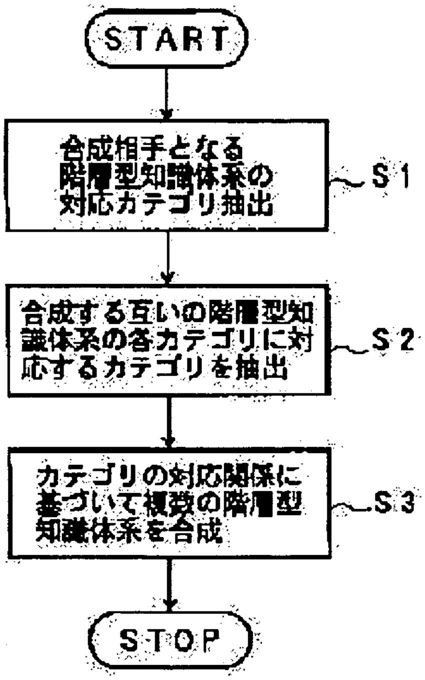
(71)Applicant : **NIPPON TELEGR & TELEPH CORP <NTT>**
(72)Inventor : **MURAMOTO TATSUYA**
WASHISAKI SEIJI

(54) METHOD FOR SYNTHESIZING A PLURALITY OF HIERARCHICAL KNOWLEDGE SYSTEMS AND ITS DEVICE AND STORAGE MEDIUM FOR STORING ITS PROGRAM

(57)Abstract:
PROBLEM TO BE SOLVED: To synthesize new hierarchical knowledge systems holding the semantic structure of hierarchies on the basis of a plurality of hierarchical knowledge systems.
SOLUTION: The corresponding category of a hierarchical knowledge system being the counterpart of synthesis is extracted on the basis of text information stored in each category (S1). The category corresponding to each category of hierarchical knowledge systems to be synthesize with each other is extracted (S2). Each category is integrated into the hierarchical knowledge system on the basis of the corresponding relation of the categories so that a single hierarchical knowledge system can be generated from the plurality of hierarchical knowledge systems (S3).


START
合成相手となる階層型知識体系の対応カテゴリ抽出
S 1
合成する互いの階層型知識体系の各カテゴリに対応するカテゴリを抽出
S 2
カテゴリの対応関係に基づいて複数の階層型知識体系を合成
S 3
STOP

LEGAL STATUS

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1.This document has been translated by computer. So the translation may not reflect the original precisely.
2.**** shows the word which can not be translated.
3.In the drawings, any words are not translated.

CLAIMS

[Claim(s)]
[Claim 1] In two or more hierarchical information system composition approaches which compare each category of each of two or more hierarchical information systems beforehand arranged hierarchical based on each concept in information, and are compounded for one hierarchical information system The response category of the hierarchical information system which serves as a synthetic partner based on the text information stored for every category is extracted. By extracting the category corresponding to each category of the mutual hierarchical information system to compound, and finishing setting up each category for a hierarchical information system based on the response relation of a category Two or more hierarchical information system composition approaches characterized by generating one hierarchical information system from two or more hierarchical information systems.
[Claim 2] Two or more hierarchical information system composition approaches according to claim 1 which sort said text information by the count of an appearance of the response category of the hierarchical information system which serves as said synthetic partner, make the large thing of the count of an appearance a response category, and create a response relation table based on those relation in case the category corresponding to each category of said mutual hierarchical information system to compound is extracted.
[Claim 3] Two or more hierarchical information system composition approaches according to claim 1 of performing amendment which holds semantic consistency in the response relation of a category which does not have conflict semantically in case one hierarchical information system is generated from said two or more hierarchical information systems.
[Claim 4] Each category of each of two or more hierarchical information systems arranged hierarchical beforehand based on each concept in information is compared. A partner category extract means to extract the response category of the hierarchical information system which serves as a synthetic partner based on the text information which is two or more hierarchical information system synthesizer units compounded for one hierarchical information system, and is stored for every category, By finishing setting up each category for a hierarchical information system based on a response relation creation means to extract the category corresponding to each category of the mutual hierarchical information system to compound, and the response relation of a category Two or more hierarchical information system synthesizer units characterized by having the synthetic means which generates one hierarchical information system from two or more hierarchical information systems.
[Claim 5] Said response relation creation means are two or more hierarchical information system synthesizer units according to claim 4 which have a response relation tabulation means to sort said text information by the count of an appearance of the response category of the hierarchical information system which serves as said synthetic partner, to make the large thing of the count of an appearance a response category, and to create a response relation table based on those relation.
[Claim 6] Said synthetic means are two or more hierarchical information system synthesizer units according to claim 4 which have a consistency amendment means to perform amendment which holds semantic consistency in the response relation of a category which does not have conflict semantically

from the response relation table created with said response relation creation means.
[Claim 7] Each category of each of two or more hierarchical information systems arranged hierarchical beforehand based on each concept in information is compared. It is the storage which stored two or more hierarchical information system composition programs compounded for one hierarchical information system. The partner category extract process of extracting the response category of the hierarchical information system which serves as a synthetic partner based on the text information stored for every category, The response relation creation process of extracting the category corresponding to each category of the mutual hierarchical information system to compound, and by finishing setting up each category for a hierarchical information system based on the response relation of a category The storage which stored two or more hierarchical information system composition programs characterized by having the synthetic process which generates one hierarchical information system from two or more hierarchical information systems.
[Claim 8] It is the storage stored two or more hierarchical information system composition programs according to claim 7 which have the response relation tabulation process which said response relation creation process sorts said text information by the count of an appearance of the response category of the hierarchical information system which serves as said synthetic partner, makes the large thing of the count of an appearance a response category, and creates a response relation table based on those relation.

[Claim 9] Said synthetic process is the storage which stored two or more hierarchical information system composition programs according to claim 7 which have the consistency amendment process of performing amendment holding semantic consistency in the response relation of a category which does not have conflict semantically from the response relation table created in said response relation creation process.

[Translation done.]